

Onshore Grab Sample

Sample: BY-37-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/11/11
Splits? N/A

County: Bay
Latitude: 29° 59' 8" N
Longitude: 85° 31' 19.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	56.66 grams
Total Fines in Sample	0.041 grams
Total Percent Fines	0.07 %

Dry Sieving Summary

Total Sample Weight	56.501 grams
Total Digested Weight	56.424 grams
Total Carbonate Weight	0.077 grams
Total Silica %	99.86 %
Total Carbonate %	0.14 %
Carbonate/Silica Ratio	0.001

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

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Total Sample Mass: 56.501 grams

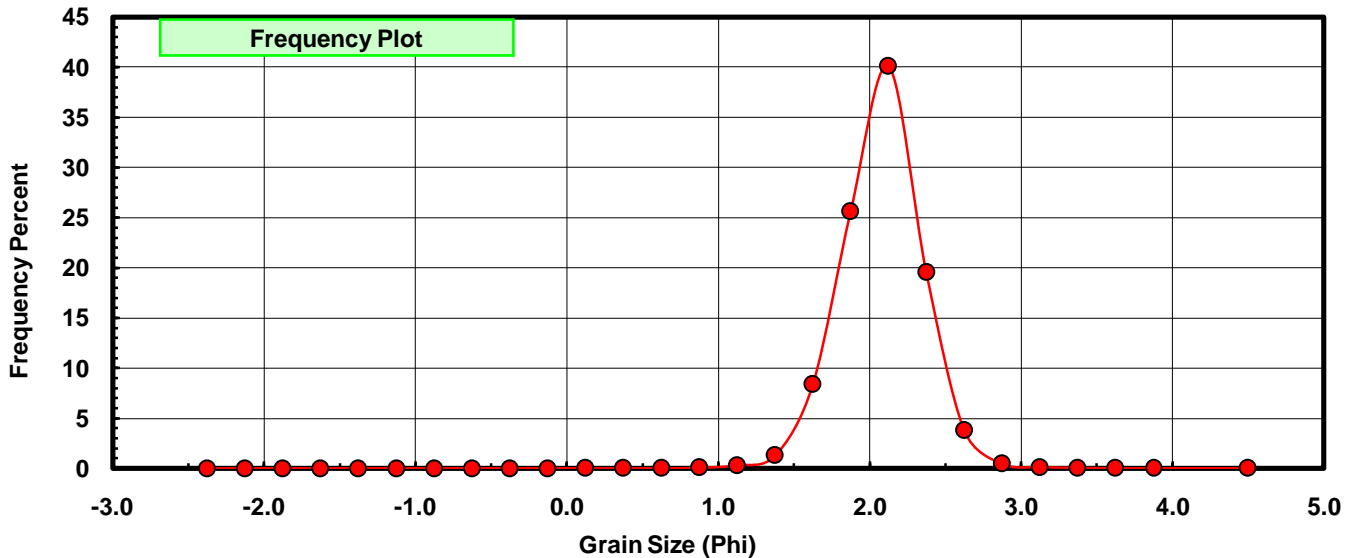
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.013	0.023	0.023
0.50	0.375	0.012	0.021	0.044
0.75	0.625	0.014	0.025	0.069
1.00	0.875	0.043	0.076	0.145
1.25	1.125	0.169	0.299	0.444
1.50	1.375	0.734	1.299	1.743
1.75	1.625	4.760	8.425	10.168
2.00	1.875	14.494	25.653	35.821
2.25	2.125	22.663	40.111	75.931
2.50	2.375	11.053	19.562	95.494
2.75	2.625	2.163	3.828	99.322
3.00	2.875	0.272	0.481	99.804
3.25	3.125	0.067	0.119	99.922
3.50	3.375	0.026	0.046	99.968
3.75	3.625	0.009	0.016	99.984
4.00	3.875	0.005	0.009	99.993
5.00	4.50	0.004	0.007	100.000

Statistical Results			
Mean:	2.0778	phi	(0.2369 mm)
Standard Dev:	0.2780	phi-units	(0.8247 mm)
Skewness:	-0.1680	dimensionless	
Kurtosis:	5.3414	dimensionless	
5th Moment:	-2.0397	dimensionless	
6th Moment:	116.2696	dimensionless	
RARD *	0.1338	dimensionless	
Median	1.9634	phi	(0.2564 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{-(\phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)



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